```
BRS 94
              (beam adj1 splitter) with switch and (optic$6 with (head or pick$6 or disk
or disc))
                            2002/11/15 13:22
BRS
              horimai.in. and switch USPAT
                                                 2002/11/15 13:11
       20
       0
BRS
       11
              (horimai.in. and switch) and optic$6 with pickup
       2002/11/15 13:11
BRS
       24
              horimai.in. and switch$6
                                          USPAT
                                                        2002/11/15 13:11
       0
BRS
       13
              (horimai.in. and switch$6) and optic$6 with pickup USPAT
       2002/11/15 13:12
BRS
              ((horimai.in. and switch$6) and optic$6 with pickup) and (switch$6 same
$6splitter)
              USPAT
                            2002/11/15 13:13
BRS
       1
              5323373.pn. USPAT
                                          2002/11/15 13:20
                                                                              0
BRS
              ((beam adj1 splitter) near1 switch and (optic$6 with (head or pick$6 or
disk or disc))) and (isolator with switch$6) USPAT
                                                        2002/11/15 15:51
              (optic$6 with (head or pick$6 or disk or disc)) and (isolator with switch$6)
BRS
       61
       USPAT
                     2002/11/15 13:40
BRS
              6141465.pn. USPAT
                                          2002/11/15 13:41
BRS
       5970
              ((circuit or PCB) with $9board) and (optic$6 with (head or pick$6 or disk
or disc))
              USPAT
                            2002/11/15 15:54
BRS
       1055
              ((circuit or PCB) with $9board) same (optic$6 with (head or pick$6 or
disk or disc)) USPAT
                            2002/11/15 15:55
BRS
       342
              (electr$9 with (circuit or PCB) with $9board) same (optic$6 with (head or
pick$6 or disk or disc))
                            USPAT
                                          2002/11/15 15:58
              ((electr$9 with (circuit or PCB) with $9board) same (optic$6 with (head or
BRS
      90
pick$6 or disk or disc)) ) same read$9
                                          USPAT
                                                        2002/11/15 16:00
BRS
      226
              (compact adj1 (disk or disc)) same ($9board with electr$9) USPAT
       2002/11/15 16:03
BRS
              (compact adj1 (disk or disc)) same ($9board near2 electr$9)USPAT
       2002/11/15 16:03
BRS
              (compact adj1 (disk or disc)) same ($9board near1 electr$9)USPAT
       2002/11/15 16:04
              (semiconductor adj1 laser) with (optic$6 near1 (pick$6 or head)) and (IC
or (electr$9 near1 (circuit or $9board)))
                                          USPAT
                                                        2002/11/15 16:20
       0
      193
BRS
              (semiconductor adj1 laser) with (optic$6 near1 (pick$6 or head)) and (IC
or (electr$9 near1 (circuit))) USPAT
                                          2002/11/15 16:21
BRS
              (semiconductor adj1 laser) with (optic$6 near1 (pick$6 or head)) and (IC
      108
or (electr$9 near1 ($9board)))USPAT
                                          2002/11/15 16:31
BRS
      15
              sol-gel with coating with (resilient or flex$6 or malleable or plyable or
rubber$6)
                            2002/11/15 16:36
BRS
              sol-gel with coating with (pliab$6) USPAT
                                                               2002/11/15 16:38
              0
```

```
BRS
      6340
             sol-gel with sols
                                  USPAT
                                                2002/11/15 16:40
      0
      209
BRS
             (sol-gel with sols) and 385/$.ccls.
                                                USPAT
                                                             2002/11/15 16:40
BRS
      98
             sol-gel with sols!
                                  USPAT
                                                2002/11/15 16:40
      0
BRS
             (sol-gel with sols!) and 385/$.ccls.
                                                             2002/11/15 16:41
      1
                                                USPAT
BRS
             (sol-gel with sols!) same optic$6
                                                USPAT
                                                              2002/11/15 18:14
      10
             opto-electronic same substrate same layer same deposition USPAT
BRS
      2001/11/14 21:23
BRS
             opto-electronic same substrate same layer same lamin$
      2001/11/14 21:24
                                  Truncation Overflow. Return string from Server is:
5`3901`15
BRS
     35
             (laminat$ with layer) and ($electr$ near1 $opt$) and waveguide
                    2002/04/17 11:53
                                                Truncation Overflow. Return string
      USPAT
from Server is: 5`0`0`LAM 1
             laminat$ same layer same waveguideUSPAT
                                                             2002/04/17 11:53
BRS
      414
                                  USPAT
BRS
      0
             6343171.URPN.
                                                2002/04/17 11:17
      0
             (PCB or board) and ($electr$ near1 $opt$) and waveguide USPAT
BRS
      128
      2002/04/17 12:20
                                  Truncation Overflow. Return string from Server is:
5`10837`1
BRS
      300
             385/$.ccls. and laminate
                                         USPAT
                                                       2002/04/17 13:03
      0
      621
             385/$.ccls. and (chip with substrate) USPAT
BRS
                                                             2002/04/17 13:10
             385/$.ccls. and (board with substrate)
BRS
      261
                                                       USPAT
                                                                     2002/04/17
13:24
BRS
             4969712.pn. USPAT
                                         2002/04/17 13:24
                                                                           0
             4969712.pn. or 5054870.pn. USPAT
      2
                                                       2002/04/17 13:25
BRS
      0
BRS
      1
             5054870.pn. USPAT
                                         2002/04/17 13:29
                                                                           0
BRS
             layer with (substrate near1 coupl$) and 385/$.ccls. USPAT
                                  Truncation Overflow. Return string from Server is:
      2002/04/17 13:59
5`696163`
BRS
      5
             5253310.URPN.
                                  USPAT
                                                2002/04/17 13:51
       0
BRS
             substrate with (layer near1 coupl$) and 385/$.ccls. USPAT
       2002/10/31 11:54
                                  Truncation Overflow. Return string from Server is:
5`374002`
             1
```

```
BRS
      22
             (substrate with (layer near1 coupl$) and 385/$.ccls.) not (layer with
(substrate near1 coupl$) and 385/$.ccls.)
                                         USPAT
                                                       2002/04/17 14:00
             substrate same (layers! with coupl$) and 385/$.ccls. USPAT
BRS
      177
      2002/04/17 14:20
                                  Truncation Overflow. Return string from Server is:
5`374002`
             1
BRS
      8
             substrate same (layers! near1 coupl$) and 385/$.ccls.
                                                                     USPAT
      2002/04/17 14:21
                                  Truncation Overflow. Return string from Server is:
5`374002`
BRS
             substrate and (layers! near1 coupl$) and 385/$.ccls. USPAT
      2002/10/29 16:07
                                  Truncation Overflow. Return string from Server is:
513740021
BRS
             substrate and (vert$ near1 coupl$) and 385/$.ccls. USPAT
      -68
       2002/04/17 14:38
                                  Truncation Overflow. Return string from Server is:
5`374002`
             (substrate and (vert$ near1 coupl$) and 385/$.ccls.) not (substrate and
BRS
      66
(layers! near1 coupl$) and 385/$.ccls.) not (substrate with (layer near1 coupl$) and
385/$.ccls.)
             USPAT
                           2002/04/17 15:28
BRS
      1
             sleeve with holder with optical with fiber with buildout
                                                                     USPAT
      2002/04/17 15:32
             19980904.ad. USPAT
BRS
      738
                                         2002/04/17 15:33
                                                                            0
BRS
      4
             19980904.ad. and buildout
                                         USPAT
                                                       2002/04/17 15:33
BRS
      0
             6257771.URPN.
                                  USPAT
                                                2002/04/17 16:32
      0
BRS
      4
             6064783.URPN.
                                  USPAT
                                                2002/04/17 16:40
      0
BRS
             5673284.URPN.
                                  USPAT
                                                2002/04/17 16:49
BRS
      3
             5648978.URPN.
                                  USPAT
                                                2002/04/17 16:52
      0
      21
BRS
             5125054.URPN.
                                  USPAT
                                                2002/04/17 17:23
      0
BRS
      4
             5193131.URPN.
                                  USPAT
                                                2002/04/17 17:31
      0
BRS
      4
             5373570.URPN.
                                  USPAT
                                                2002/04/17 17:32
      0
BRS
      0
             6215585.URPN.
                                  USPAT
                                                2002/04/17 17:35
      0
BRS
      2
             5757989.URPN.
                                  USPAT
                                                2002/04/17 17:53
      0
BRS
             6343171.pn. and (second with board)USPAT
                                                              2002/04/18 09:54
BRS
      1
                                                                            0
             6343171.pn. USPAT
                                         2002/10/29 14:30
BRS
             6343171.URPN.
                                  USPAT
      6
                                                2002/10/29 14:31
      0
```

```
BRS
      1
             "6330376".PN.
                                 USPAT
                                               2002/10/29 14:34
      0
BRS
      13
             ("4923264" | "5274246" | "6215585" | "6233378" | "6236774" | "6246815"
| "6285043" | "6304690" | "6310700" | "6310999" | "6324328" | "6330376" |
"6343171").PN.
                   USPAT
                                 2002/10/29 14:39
BRS
      13
             ("4923264" | "5274246" | "6215585" | "6233378" | "6236774" | "6246815"
| "6285043" | "6304690" | "6310700" | "6310999" | "6324328" | "6330376" |
"6343171").PN.
                   USPAT
                                 2002/10/29 14:43
             ("4815979" | "4855809" | "4992849" | "4992850" | "4998886" | "5197887"
BRS
      19
| "5266833" | "5276590" | "5451815" | "5484965" | "5581877" | "5854534" | "5940277" |
"6128201" | "6198630" | "6207475" | "6280201" | "6295209" | "6343171").PN.
      USPAT
                    2002/10/31 12:08
BRS
      33
             substrate and (layers! near1 coupl$6) and 385/$.ccls.
                                                                   USPAT
      2002/10/31 10:44
BRS
      5
             5818983.pn. or 5835646.pn. or 5854868.pn. or 5902715.pn. or
5917980.pn. USPAT
                          2002/10/30 11:12
             5818983.pn. or 5835646.pn. or 5854868.pn. or 5902715.pn. or
BRS
5917980.pn. or 5444811.pn. or 5757989.pn. or 5818983.pn.USPAT
                                                                   2002/10/30
11:15
BRS
      4
             5917980.URPN.
                                 USPAT
                                               2002/10/30 11:26
      0
BRS
             5902715.URPN.
                                 USPAT
                                               2002/10/30 11:27
      0
BRS
             5854868.URPN.
                                               2002/10/30 11:28
      16
                                 USPAT
      0
BRS
      18
             5835646.URPN.
                                 USPAT
                                               2002/11/09 11:38
      0
BRS
      3
             5818983.URPN.
                                 USPAT
                                               2002/10/30 14:32
      0
BRS
      2
             5757989.URPN.
                                 USPAT
                                               2002/10/30 14:34
      0
BRS
      3
             5444811.URPN.
                                 USPAT
                                               2002/10/30 14:35
      0
BRS
      0
             6257771.URPN.
                                               2002/10/30 15:27
                                 USPAT
      0
BRS
      0
             6257771.URPN.
                                 USPAT
                                               2002/10/30 15:28
      0
BRS
      230
             (sol adj1 gel) and 385/$.ccls. USPAT
                                                     2002/10/31 10:47
      ()
BRS
             ((sol adj1 gel) and 385/$.ccls.) and substrate and layer
                                                                   USPAT
      2002/10/31 10:47
BRS
             5991493.URPN.
      2
                                 USPAT
                                               2002/10/31 11:20
BRS
      4563 substrate and ((layer with prism) or (vertical with coupl$6)) USPAT
      2002/10/31 12:10
```

```
BRS
       533
              (substrate and ((laver with prism) or (vertical with coupl$6))) and
                            2002/10/31 12:11
385/$.eels.
              USPAT
BRS
       1310
             substrate and ((layer with prism) or (vertical$3 adj1 coupl$6))
                     2002/10/31 12:12
       USPAT
              (substrate and ((layer with prism) or (vertical$3 adj1 coupl$6))) and
BRS
       248
385/$.ccls.
              USPAT
                            2002/10/31 12:11
              substrate and (vertical$3 adj1 coupl$6) and 385/$.ccls.
BRS
                                                                      USPAT
       2002/11/14 22:21
              surface adj1 emitting adj1 laser
BRS
       1633
                                                 USPAT
                                                               2002/10/31 14:24
BRS
       44
              (surface adj1 emitting adj1 laser) and (vertical$6 near1 coupl$6)
                     2002/10/31 14:25
       USPAT
BRS
       87
              substrate and (vertical$3 adj2 coupl$6) and 385/$.ccls.
                                                                      USPAT
       2002/10/31 15:42
              (substrate and (vertical$3 adj2 coupl$6) and 385/$.ccls.) and (glue or
BRS
       27
                    USPAT
                                   2002/10/31 16:11
bonding or cement)
              ((optic$6 adj1 glue) same $9board) or ((optic$6 adj1 cement) same
BRS
$9board) or ((optic$6 adj1 bond$6) same $9board) USPAT
                                                               2002/10/31 16:20
BRS
              (optic$6 adj1 glue) same $9board
                                                 USPAT
                                                               2002/10/31 16:20
              (optic$6 adj1 bond$6) same $9board USPAT
BRS
       2
                                                               2002/10/31 16:22
BRS
              (optic$6 adj1 cement) same $9board USPAT
      6
                                                               2002/10/31 16:33
BRS
       26
              (silicon near1 polymer) and 385/$.ccls.
                                                        USPAT
                                                                      2002/10/31
17:25
BRS
       751
              silane near1 polymer USPAT
                                                 2002/10/31 17:28
       0
BRS
       4
              (silane near1 polymer) and 385/$.ccls.
                                                        USPAT
                                                                      2002/10/31
17:26
BRS
       0
              silane near1 waveguide
                                          USPAT
                                                        2002/10/31 17:28
       0
BRS
       38
              silane with waveguide USPAT
                                                 2002/10/31 17:31
       0
BRS
       20
              (silane with core) and waveguide
                                                 USPAT
                                                               2002/10/31 17:32
BRS
       20
              (substrate and (vertical$3 adj1 coupl$6) and 385/$.ccls.) and (polymer$9
or plastic)
                            2002/10/31 18:26
BRS
       71
              (coupler near1 modulator) and 385/$.ccls.
                                                        USPAT
                                                                      2002/10/31
18:27
              5613020.URPN.
BRS
       2
                                   USPAT
                                                 2002/10/31 20:43
       0
BRS
       540
              embedded adj1 electrode
                                          USPAT
                                                        2002/11/09 08:20
       0
```

```
BRS 0
              (embedded adj1 electrode) and 385/14.ccls. USPAT
                                                                      2002/11/09
08:20
BRS
      2
              (embedded adj1 electrode) and 385/$.ccls.
                                                       USPAT
                                                                      2002/11/09
08:23
BRS
       130
              (embedded adj1 electrode) and optic$6
                                                       USPAT
                                                                      2002/11/09
08:25
BRS
       67
              ((embedded adj1 electrode) and optic$6) and (coupler or switch)
       USPAT
                     2002/11/09 08:26
              ((embedded adj1 electrode) and optic$6) and (coupler or switch)
BRS
       67
                     2002/11/09 08:35
       USPAT
BRS
              3740133.pn. USPAT
                                          2002/11/09 08:32
                                                                            0
BRS
              3740133.pn. USPAT
                                         2002/11/09 08:32
       1
BRS
      42
              (((embedded adj1 electrode) and optic$6) and (coupler or switch) ) and
layer and substrate
                     USPAT
                                   2002/11/09 08:36
BRS
              6343171.pn. USPAT
                                         2002/11/09 09:16
      1
BRS
              PIN near1 photodetector near1 electrode
       1
                                                       USPAT
                                                                     2002/11/09
09:36
BRS
              PIN near1 (photodetector or photodiode) with (buried or bury$4 or
      10
embed$6)
              USPAT
                            2002/11/09 09:38
BRS
      41
              ("3765969" | "4015893" | "4652077" | "4755015" | "4820655" | "4966430"
| "4999686" | "5159700" | "5170448" | "5280189" | "5360982" | "5371818" | "5394490" |
"5452383" | "5481629" | "5485021" | "5488678" | "5502779" | "5513285" | "5513288" |
"5519803" | "5521994" | "5523557" | "5526454" | "5534442" | "5546489" | "5559914" |
"5574806" | "5577138" | "5577139" | "5598490" | "5600741" | "5602672" | "5604835" |
"5611008" [ "5621828" | "5696862" | "5701374" | "5835646" ] "5848214" |
"5883988").PN.
                    USPAT
                                  2002/11/09 10:13
BRS
      6
              5883988.URPN.
                                  USPAT
                                                2002/11/09 10:14
       0
BRS
       1
             6049638.URPN.
                                  USPAT
                                                2002/11/09 10:18
       0
              5835646.URPN.
BRS
      19
                                  USPAT
                                                2002/11/09 10:58
       0
       32
BRS
              5600741.URPN.
                                  USPAT
                                                2002/11/09 11:11
       0
BRS
       29
             4966430.URPN.
                                  USPAT
                                                2002/11/09 11:37
       0
BRS
       28
              4966430.URPN. not 5600741.URPN.
                                                       USPAT
                                                                     2002/11/09
11:38
BRS
      15
             (4966430.URPN. not 5600741.URPN.) not 5835646.URPN. not
(("3765969" \mid "4015893" \mid "4652077" \mid "4755015" \mid "4820655" \mid "4966430" \mid "4999686" \mid "4999686"))
"5159700" | "5170448" | "5280189" | "5360982" | "5371818" | "5394490" | "5452383"
"5481629" | "5485021" | "5488678" | "5502779" | "5513285" | "5513288" | "5519803"
"5521994" | "5523557" | "5526454" | "5534442" | "5546489" | "5559914" | "5574806"
"5577138" | "5577139" | "5598490" | "5600741" | "5602672" | "5604835" | "5611008" |
"5621828" | "5696862" | "5701374" | "5835646" | "5848214" | "5883988").PN.)
       USPAT
                    2002/11/09 11:39
                                                       0
```

BRS	5	5193131.URPN.	USPAT	2002/11/09 1	1:45	
BRS	0 4 0	5373570.URPN.	USPAT	2002/11/09 1	1:48	
BRS	3 0	6215585.URPN.	USPAT	2002/11/09 1	3:35	
BRS	2 0	5757989.URPN.	USPAT	2002/11/09 1	3:37	
BRS	22 0	5125054.URPN.	USPAT	2002/11/09 1	3:39	
BRS	0 0	6152610.URPN.	USPAT	2002/11/09 1	3:45	
BRS	33 0	5170448.URPN.	USPAT	2002/11/09 1	3:48	
BRS	70 USPA	((laser adj1 diode) wi T 2002/11/09 1:		ource)) same (	layer\$3	and substrate)
BRS	18	(((laser adj1 diode) w			(laver\$3	and substrate))
		6 with substrate)	USPAT	2002/11/09 1		and substrate))
ana (n	0	o with substrate;	OSIAI	2002/11/07 1	5.55	
BRS	1148	integrat\$6 near2 (light)	nt adj1 source)	USPAT	2002/	11/09 15:34
BRS	309	integrat\$6 adj1 (light	adj1 source)	USPAT	2002/	11/09 15:35
BRS	13 2002/1	(integrat\$6 adj1 (ligh 11/09 15:44	t adj1 source))	and 385/14.cc	ls.	USPAT
BRS	9	((integrat\$6 adj1 (ligl	ht adil source)	and 385/14 co	els ) and	(counler or
	) ÚSPA			0	ois., and	(couplet of
BRS	0	fabry-perot with reon		9	2002/	11/11 12:48
		0				
BRS	0	fabry-perot with reon 0	ator with laser	USPAT	2002/	11/11 12:49
BRS	1623 0	fabry-perot with laser	r USPAT	2002/11/11 1	2:50	
BRS 13:11	38	DBR with laser with 0	diode with sou	rce USP/	ΛT	2002/11/11
BRS	0 2002/1	(PIN near1 laser near 11/11 13:12	1 diode) near2	photodetector	USPA	T
BRS	51	(PIN with laser with a 11/11 13:17	diode) with pho	otodetector	USPA	Т
BRS 13:18	126	(laser adj1 diode) wit	**	de) USP/	ΛT	2002/11/11
BRS 13:23	92	(laser adj1 diode) wit	h (pin adj1 dio	de) USP/	ΛT	2002/11/11
BRS	9 2002/	\$6detector with (pin a 11/11 13:48	adj1 diode) wit 0	h electrode	USPA	Т

BRS	5	stack adj1 optic\$6 adj1 wave	eguide USPA	T 2002/	11/11 13:53
BRS	1	5917980.pn. USPAT	2002/11/11 1	3.51	0
BRS	1	6017681.pn. USPAT	2002/11/11 1		0
BRS	635	coupl\$6 with substrates! with		USPAT	2002/11/11
14:27	033	()	ii between	OSIAI	2002/11/11
BRS	71	(coupl\$6 with substrates! wi	th hatuvaan) an	d antial 6 and v	vovoquido
	USPA	T 2002/11/11 14:33		0	
BRS	53	((coupl\$6 with substrates! w		nd optic\$6 and	waveguide) and
385/\$.		USPAT 2002/11/11 1-		0	
BRS	618	coupl\$6 with \$6boards! with	between	USPAT	2002/11/11
14:33		0			
BRS	11	(coupl\$6 with \$6boards! wit	h between) and	optic\$6 and w	aveguide
	USPA			0	
BRS	1656	coupl\$6 with modules! with	between USPA	T 2002/	11/11 14:33
		0			
BRS	51	(coupl\$6 with modules! with	between) and	optic\$6 and wa	iveguide
	USPA	T 2002/11/11 14:35		0	
BRS	0	viscous with coupl\$6 with m	iooney.xa.	USPAT	2002/11/11
14:35		0	-		
BRS	0	viscos\$6 with coupl\$6 with a	mooney.xa.	USPAT	2002/11/11
14:35		0	•		
BRS	0	viscos\$6 with mooney.xa.	USPAT	2002/11/11 1	4:36
	0	•			
BRS	0	viscous\$6 with mooney.xa.	USPAT	2002/11/11 1	4:36
	0	•			
BRS	228	mooney.xa. USPAT	2002/11/11 1	4:37	0
BRS	5	mooney.xa. and viscos\$6	USPAT	2002/11/11 2	
	0				
BRS	65	(stack with waveguide with	coupl\$6) and o	ptic\$6 USPA	ΛT
		11/12 21:03	0		
BRS	229	semiconductor with diode w	ith laser with e	lectrode USPA	ΛT
2.00		11/11 22:11	0		• •
BRS	3	(semiconductor with diode v	vith laser with a	electrode) and (	tembed\$6 or
	-	tegrat\$6) adj1 electrode)			
00,010	0	iegration augit erectioner	001711	2002/11/11/2	2.10
BRS	1	6141465.pn. and (electrode v	with laser)	USPAT	2002/11/11
22:28	1	0	with faser)	CSITTI	2002/11/11
BRS	1	6141465.pn. and (electrode v	with laser with	electrode)	USPAT
DIG	2002/	11/11 22:29	()	ciccii (dc)	CSIAT
BRS	1	6141465.pn. and (electrode v	-	bar) USPA	т
DKS		11/11 22:30	0	bar) OSI A	X I
BRS	1	6141465.pn. and (laser with	v	т эдоэ/	11/11 22:32
DICO	1	()	var) USFA	A 1 2002/	11/11 22.34
BRS	1	6141465.pn. and (substrates)	HICDAT	2002/11/12 1	0:02
DKS	1	orminos.pii. and (substrates)	JUSEAL	2002/11/12 1	0.02
	0				

BRS 0	6141465.pn. and (bar with wafer) USPAT 2002/11/13 20:43
BRS 0	6141465.pn. and (bar with crystal) USPAT 2002/11/11 22:35
BRS 0 22:35	6141465.pn. and (bar with susbstrate) USPAT 2002/11/11
BRS 0	(semiconductor with diode with laser with electrode) and ((bury\$6 or
	electrode) USPAT 2002/11/11 22:41 0
BRS 0	(semiconductor with diode with laser with electrode) and ((embed\$6)
near1 electrod	
BRS 8	(semiconductor with diode with laser with electrode) and ((pin) near2
diode) USPA	· ····································
BRS 987	electr\$9 with ((pin) adj1 diode) USPAT 2002/11/11 22:55
DKS 707	0
BRS 3	(semiconductor with diode with laser with electrode) and (electr\$9 with
((pin) adj1 dic	
BRS 69	
USPA	
BRS 2222	
10:04	() (4 1 4 1 1 4 1 1 1 1 1 1 1 1 1 1 1 1 1
BRS 1493	
	11/12 10:04 0
BRS 40	((semiconductor with laser with electrical\$3) and substrate) and (polymer
same wavegu	
BRS 41	(semiconductor with laser with electrical\$3) and (polymer same
waveguide)	USPAT 2002/11/12 10:37 0
BRS 82	(electrical adj1 (characteristics or properties)) with semiconductor with
laser USPA	
BRS 4	6141465.URPN. USPAT 2002/11/12 19:37
0	
BRS 161	pixel adj1 element with detector USPAT 2002/11/12 20:49
	0
BRS 39	·
BRS 39 USPA	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.
USPA	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in. T 2002/11/13 15:15 0
USPA BRS 11	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.
BRS 11 0	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in. T 2002/11/13 15:15 0 5276745.URPN. USPAT 2002/11/12 21:19
BRS 11 0 BRS 7	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in. T 2002/11/13 15:15 0
USPA BRS 11 0 BRS 7 15:17	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0 5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0
BRS 11 0 BRS 7 15:17 BRS 1	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0 5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0 6141465.pn. and (polymer with waveguide) USPAT 2002/11/13
BRS 1 15:17 BRS 1 16:14	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13  0 6141465.pn. and (polymer with waveguide) USPAT 2002/11/13  0
BRS 1 BRS 7 15:17 BRS 1 16:14 BRS 1	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0  6141465.pn. and (polymer with waveguide) USPAT 2002/11/13 0  6141465.pn. and (polymer same waveguide) USPAT 2002/11/13
BRS 1 15:17 BRS 1 16:14 BRS 1 16:15	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0  6141465.pn. and (polymer with waveguide) USPAT 2002/11/13 0  6141465.pn. and (polymer same waveguide) USPAT 2002/11/13 0
BRS 1 11 0 BRS 7 15:17 BRS 1 16:14 BRS 1 16:15 BRS 1	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0  6141465.pn. and (polymer with waveguide) USPAT 2002/11/13 0  6141465.pn. and (polymer same waveguide) USPAT 2002/11/13 0  6141465.pn. and (passive same waveguide) USPAT 2002/11/13
BRS 1 15:17 BRS 1 16:14 BRS 1 16:15 BRS 1 16:16	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0  6141465.pn. and (polymer with waveguide) USPAT 2002/11/13 0  6141465.pn. and (polymer same waveguide) USPAT 2002/11/13 0  6141465.pn. and (passive same waveguide) USPAT 2002/11/13 0
BRS 1 11 0 BRS 7 15:17 BRS 1 16:14 BRS 1 16:15 BRS 1	((stack with waveguide with coupl\$6) and optic\$6) not bischel.in.  T 2002/11/13 15:15 0  5276745.URPN. USPAT 2002/11/12 21:19  passive adj1 polymer adj1 waveguide USPAT 2002/11/13 0  6141465.pn. and (polymer with waveguide) USPAT 2002/11/13 0  6141465.pn. and (polymer same waveguide) USPAT 2002/11/13 0  6141465.pn. and (passive same waveguide) USPAT 2002/11/13

BRS	12	bragg adj1 grating adj1 detect\$6	USPAT	2002/	11/13 17:53
BRS	4	bragg adj1 grating adj1 detector	USPAT	2002/	11/13 17:55
BRS	8 USPA	(bragg adj1 grating adj1 detect\$6) n	ot (bragg adj	1 grating	adj1 detector)
BRS	2490	diode near1 laser with detector	USPAT	2002/	11/13 18:21
BRS	266	diode near1 laser near1 detector	USPAT	2002/	11/13 23:12
BRS 22:52	1	6141465.pn. and (narrow with band 0	\$6) US	РАТ	2002/11/13
BRS	0 2002/	(diffuser adj1 screen) same (laser w 11/13 21:19 0	ith feedback)	) USPA	Т
BRS	0 2002/	(diffuser adj1 screen) and (diode ne 11/13 21:20 0	ar1 laser nea	r1 detector	r)USPAT
BRS	1 2002/3	(diffuser adj1 screen) and (diode wi 11/13 21:22 0	th laser with	detector)	USPAT
BRS 21:26	47	diode with laser with tuning with fe	edback US	PAT	2002/11/13
BRS	22 USPA	(diode with laser with tuning with for 2002/11/13 21:43	eedback) and 0	(laser wit	th detect\$6)
BRS	47 USPA	(diode with laser with tuning with f T 2002/11/13 21:43	eedback) and 0	(laser wit	h feedback)
BRS	1	RE37809.pn. USPAT 2002/	11/13 21:43		0
BRS	1	RE37809.pn. and (laser with feedba		PAT	2002/11/13
22:19		0	,		
BRS	2	(laser adj1 diode) with (built-in or (	built adil in)	) nearl (p	hotodetector or
	detecto	, ,		) (p.	0
BRS	1	6034797.pn. and (built\$6 with \$6de		PAT	2002/11/13
22:26	•	0			2002/11/13
BRS	0	6141465.pn. and (laser adj1 bar) sar	ne read\$6	USPA	Т
DIG		11/13 22:53 0	Te read to	0017	• •
BRS	1	"4525025".PN. USPAT	2002/11/13	3 23-10	
DIG	0	4525025 .TN. OSIAT	2002/11/13	المالية الأستار	
BRS	266	diode near1 laser near1 detector	USPAT	2002/	11/14 17:59
BRS	28 0	bischel.in. and laser adj1 bar USPA	AT 200	)2/11/14 1	0:27
BRS 11:21	81	(laser adj1 bar near2 array) not bisc	hel.in. US	PAT	2002/11/14
BRS bische	706 d.in.	(laser adj1 bar) not ((laser adj1 bar USPAT 2002/11/14 10:34	near2 array)	not bische 0	l.in.) not
BRS	69 0	(laser adj1 bar) with substrate USPA	AT 200	02/11/14 1	0:47

BRS 11:46	1	(laser adj1 bar) with (optical adj1 pick\$6)	USPAT	2002/11/14	
BRS 10:56	1	(laser adj1 bar) same (optical adj1 pick\$6)	USPAT	2002/11/14	
BRS 10:56	1	(laser adj1 bar) same (optic\$6 adj1 pick\$6)	USPAT	2002/11/14	
BRS 10:58	3	(laser adj1 bar) and (optic\$6 adj1 pick\$6)	USPAT	2002/11/14	
BRS 11:08	0	(laser adj1 bar) with (optic\$6 adj1 head)	USPAT	2002/11/14	
BRS 11:09	1	(laser adj1 bar) same (optic\$6 adj1 head)	USPAT	2002/11/14	
BRS	20 2002/	(laser adj1 bar near2 array) same substrate n 11/14 11:22 0	ot bischel.in.	USPAT	
BRS	0	((laser adj1 bar near2 array) same substrate		) and (optical	
	ick\$6)	USPAT 2002/11/14 11:25	0		
BRS	0	((laser adj1 bar near2 array) same substrate		) and (optic\$6	
	-	or head)) USPAT 2002/11/14 12		0	
BRS	0	((laser adj1 bar near2 array) same substrate	not bischel.in.	) and (head	
	assemb		.1: 1 1:	U 100	
BRS	1	((laser adj1 bar near2 array) same substrate	not bischei.in. 0	) and (read\$6	
with d		USPAT 2002/11/14 11:28	O	20/0 1 )	
BRS	17 USPA	((laser adj1 bar) and 428/\$.ccls.) or ((laser a T 2002/11/14 11:48	aji bar) and 4	30/\$.ccis.)	
BRS	_		U adit bankand	120/C auto)	
ркэ	l USPA	((laser adj1 bar) and 428/\$.ccls.) and ((laser T 2002/11/14 11:48	0	450/\$.ccis.)	
BRS	12	(laser adj1 bar) and 428/\$.ccls. USPA	O .	/11/14 11:49	
		0			
BRS	6	(laser adj1 bar) and 430/\$.ccls. USPA 0		/11/14 12:02	
BRS 2176 (semiconductor adj1 laser) same (optic\$6 near1 (pick\$6 or head)) USPAT 2002/11/14 12:05 0					
BRS	1778 USPA	(semiconductor adj1 laser) with (optic\$6 near 2002/11/15 16:14	ar1 (pick\$6 or 0	head))	
BRS		6480640.pn. USPAT 2002/11/14 14		0	
BRS		(diode adj1 laser) with (semiconductor adj1 11/14 16:20 0	laser) USPA	AΤ	
BRS	5 USPA	(diode adj1 laser) with (semiconductor adj1 T 2002/11/14 15:48	laser) with (k	inds! or types!)	
BRS	73	((diode near2 laser) with layer\$6 with substr	rate) not (((dic	ode near2 laser)	
with la	ayer\$6 v	with substrate) and semiconductor) USPA	T 2002	/11/14 15:52	
0					
BRS	701	((diode near2 laser) with layer\$6 with substi	rate) and semi	conductor	
	USPA		0		
BRS	774	(diode near2 laser) with layer\$6 with substra	ate USPA	ΛT	
	2002/	11/14 15:55 0			

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BRS	4	(diode near1 laser) same (no adj1 substrate) USPAT	2002/11/14
17:06		0	
BRS	1	6343171.pn. USPAT 2002/11/14 17:51	()
BRS	1	5468324.pn. USPAT 2002/11/14 17:52	0
BRS	4	("4759990"   "4812279"   "5075147"   "5362591").PN.	USPAT
	2002/	11/14 17:53 0	
BRS	41	(diode near1 laser near1 detector) and (optic\$6 adj1 (disk of	or disc))
	USPA	ΔΤ 2002/11/14 18:01 0	
BRS	5	(laser adj1 diode) with self with coupling with effect	USPAT
	2002/	11/15 11:08 0	
BRS	6	5323373.URPN. USPAT 2002/11/14 23:05	
	0		
BRS	23	(beam adj1 splitter) near1 switch USPAT 2002/	11/15 12:59
		0	
BRS	0	(beam adj1 splitter) near1 switch and (optic\$6 with (head of	or pick\$6 or disk
or disc	:))	USPAT 2002/11/15 13:02 0	
BRS	94	(beam adj1 splitter) with switch and (optic\$6 with (head or	r pick\$6 or disk
or disc	:))	USPAT 2002/11/15 13:02 0	
BRS	0	(semiconductor adj1 laser) with (optic\$6 near1 (pick\$6 or	head)) and (IC
or (ele	ctr\$9 n	near1 circuit) or \$9board) USPAT 2002/11/15 1	6:16
	Query	aborted.1	

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